No. 7700077

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

~~ACCO Seed~~ Cargill Inc

Whereas, THERE HAS BEEN PRESENTED TO THE DPV 5/12/80

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW,

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF seventeen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT ETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPE BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Paymaster 792'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of* Washington *this* 2nd *day of* February *in the year of our Lord one thousand nine hundred and* seventy-eight

Attest:

Acting
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

FORM GR-470
(1-76)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
PLANT VARIETY PROTECTION OFFICE
NATIONAL AGRICULTURAL LIBRARY
BELTSVILLE, MARYLAND 20705

FORM APPROVED
OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAME	FOR OFFICIAL USE ONLY
Paymaster 466-28	Paymaster 792	PV NUMBER 7700077
2. KIND NAME: COTTON	3. GENUS AND SPECIES NAME: Gossypium hirsutum	FILING DATE 6-28-77 / TIME 1:30 A.M. (P.M.)
4. FAMILY NAME (BOTANICAL): Malvaceae	5. DATE OF DETERMINATION: December 1973	FEE RECEIVED $250.00 / $250.00 / $250.00 — DATE 6-28-77 / 6-28-77 / 12-22-77

6. NAME OF APPLICANT(S)	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	8. TELEPHONE AREA CODE AND NUMBER
~~ACCO Seed, a division of Anderson, Clayton and Company~~ DJH CARGILL, Inc. 8/12/80	15615 W. McGinty Rd. ~~P. O. Box 1630 Plainview, TX 79072~~ MINNETONKA MINN 55343	(806)652-3312

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)	10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION	11. DATE OF INCORPORATION
CORPORATION	Delaware	1929

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

Dr. Delbert C. Hess
ACCO Seed
P. O. Box 1630
Plainview, TX 79072
(806)652-3312

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*
- [X] 13B. Exhibit B, Novelty Statement.
- [X] 13C. Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)*
- [X] 13D. Exhibit D, Additional Description of the Variety.

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [X] YES [ ] NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations? [X] YES [ ] NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed? [X] FOUNDATION [X] REGISTERED [X] CERTIFIED

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? [X] YES [ ] NO

16. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

June 17, 1977
(DATE)

ACCO Seeds - div. of Anderson, Clayton
(SIGNATURE OF APPLICANT)
(R. J. Richardson)

(DATE)

R. J. Richardson
(SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and $250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, National Agricultural Library, Beltsville, Maryland 20705. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.

13a Give (1), the genealogy, including public and commerical varieties, lines, or clones used, and the breeding method. (2), the details of subsequent stages of selection and multiplication. (3), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.

13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties; (1) identify these varieties and state all differences objectively; (2) Attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.

13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.

14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

EXHIBIT A

Origin and Breeding History

Paymaster 792 was developed from a single plant selection made in the F_4 generation from a cross of Paymaster Dwarf x Tenn. 59-538. The cross was made in the summer of 1968 and yield testing of the material was initiated in the F_6 generation in 1972.

The ♀ parent of the variety, Paymaster Dwarf, is a U. S. Protected Variety and is fully described in application no. 7300013. Tenn. 59-538 is an early strain released from the Tennessee Agricultural Experiment Station in the mid 1960's.

Initial seed increases of paymaster 792 were made during the winter of 1972-1973 in the Iguala, Guerrero, Mexico nursery. All yield testing was done subsequent to this time and the variety has been stable as is evidenced by its consistant performance and appearance during the testing phases.

Most of the flowers of Paymaster 792 have cream colored petals and cream colored pollen. However, approximately 5% of the flowers have cream petals and yellow pollen. Another approximate 5% of the flowers have light yellow petals with cream colored pollen. The distance that the bolls are borne from the central stalk varies from plant to plant.

77-77

EXHIBIT B

Novelty Statement

Paymaster 792 most closely resembles Paymaster 111-A including fiber and storm resistance characteristics. However, Paymaster 792 is novel and is different from Paymaster 111-A in that Paymaster 792 (1) is earlier than Paymaster 111-A, with Paymaster 792 having 46.3 percent of the bolls open on approximately October 10th, whereas Paymaster 111-A, growing in the same tests, had only 21.9 percent open at the same date; (2) is more resistant to Verticillium wilt with Paymaster 111-A and Paymaster 792 having shown 47.0 and 32.6 percent wilted plants respectively, when grown in wilt infested soils during the years 1972 through 1976.

Earliness /1 of Paymaster 111-A and and Paymaster 792. 1972 - 1976.

7700077

	Earliness		difference
	PM 792	PM 111-A	
	65.0	43.3	21.7
	36.7	23.3	13.4
	55.0	21.7	33.3
	61.7	21.7	40.0
	41.7	26.7	15.0
	41.7	26.7	15.0
	50.0	18.3	31.7
	25.0	5.0	20.0
	40.0	10.0	30.0
Average	46.3	21.9	$24.4^{**} \pm 3.35$

Statistical Calculations /2

$s_d^2 = 17.64$ $s_{\bar{d}} = 4.20$ $t = 5.81^{**}$

99% confidence limits: $l_1 = 21.05$ $l_2 = 27.75$

/1 Earliness measured as percent open bolls on approximately October 10.

/2 Data analysed as paired observations. See Steel, R. D. G., and Torrie, J. H.: Principles and Procedures of Statistics. McGraw-Hill Book Co., Inc., New York. 1960. Pages 78-79

Verticillium wilt scores of Paymaster 111-A and Paymaster 792 cotton varieties 1972 - 1976.

7700077

	Wilt Score		difference
	PM 111-A	PM792	
	35.0	25.0	10.0
	35.0	23.5	11.5
	23.3	11.7	11.6
	35.0	21.7	13.3
	36.7	21.7	15.0
	40.0	21.7	18.3
	51.7	50.0	1.7
	43.3	18.3	25.0
	51.7	31.7	20.0
	45.0	35.0	10.0
	40.0	45.0	-5.0
	40.0	25.0	15.0
	50.0	40.0	10.0
	70.0	50.0	20.0
	25.0	20.0	5.0
	50.0	50.0	-
	60.0	40.0	20.0
	50.0	40.0	10.0
	80.0	60.0	20.0
	70.0	25.0	45.0
	55.0	30.0	25.0
Average	47.0	32.6	$14.4^{**} \pm 6.54$

Statistical Calculations*

$s_{\bar{d}}^2 = 5.31$ $s_{\bar{d}} = 2.30$ $t = 10.57^{**}$

99% confidence limits: $l_1 = 7.86$, $l_2 = 20.94$

* Data analysed as paired observations. See Steel, R.D.G., and Torrie, J. H.: Principles and Procedures of Statistics. McGraw-Hill Book Co., Inc. New York. 1960. Pages 78-79.

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-8 (10-2-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C (Cotton)

OBJECTIVE DESCRIPTION OF VARIETY

COTTON (*GOSSYPIUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
ACCO Seed

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
P. O. Box 1630
Plainview, TX 79072

FOR OFFICIAL USE ONLY
PVPO NUMBER 7700077
VARIETY NAME OR TEMPORARY DESIGNATION
PAYMASTER 792

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. SPECIES:

[1] 1 = GOSSYPIUM HIRSUTUM 2 = GOSSYPIUM BARBADENSE

2. AREA(S) OF ADAPTION (0 = Not Tested, 1 = Not Adapted, 2 = Adapted):

[0] EASTERN [0] DELTA [2] CENTRAL [2] HIGH PLAINS [ ] EL PASO AREA
[0] WESTERN LOW HOT VALLEYS [0] SAN JOAQUIN [2] OTHER (*Specify*) _____

3. MATURITY (50% Open Boll):

[1][0] NO. OF DAYS *EARLIER* THAN ..... [4]
[ ][ ] NO. OF DAYS *LATER* THAN ..... [ ]

1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (*Specify*) _____

4. PLANT HABIT:

[3] 1 = SPREADING 2 = INTERMEDIATE 3 = COMPACT

[3] 1 = FOLIAGE SPARSE 2 = DENSE 3 = OTHER (*Specify*) intermediate

5. PLANT HEIGHT:

[ ][3] CM. *SHORTER* THAN ..... [4]
[ ][ ] CM. *TALLER* THAN ..... [ ]

1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (*Specify*) _____

6. MAIN STEM:

[3] 1 = LAX 2 = ASCENDING 3 = ERECT

[ ] CM. TO FIRST FRUITING BRANCH

[ ][ ] NO. OF NODES TO FIRST FRUITING BRANC (*from cotyledonary node*)

7. LEAF:

[ ][ ] CM. WIDTH OF WIDEST LEAVES AT MATURITY

8. LEAF PUBESCENSE:

[3] 1 = GLABROUS (HAIRS AS SPARSE AS D_2 SMOOTH) 2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF) 3 = PUBESCENT (STONEVILLE 213) 4 = HEAVY PUBESCENCE (H_1 OR H_2) 5 = OTHER (*Specify*) _____

9. LEAF COLOR:

[2] 1 = VIRESCENT YELLOW 2 = LIGHT GREEN 3 = DARK GREEN (*Acala-442*) 4 = RED 5 = OTHER (*Specify*) _____

10. LEAF TYPE:

[1] 1 = NORMAL 2 = OKRA 3 = SUPER OKRA 4 = OTHER (*Specify*) _____

11. FLOWER: 2 10/4/77 9/12 - Letter 8/23/77

[1] 1 = NECTARILESS 2 = NECTARIED

[1] Petals: 1 = CREAM 2 = YELLOW [1] Pollen: 1 = CREAM 2 = YELLOW

12. FRUITING BRANCH TYPE:

[2] 1 = CLUSTER 2 = SHORT 3 = NORMAL [1] 1 = DETERMINATE 2 = INDETERMINATE

13. GOSSYPOL CONDITION:

[3] 1 = GLANDLESS 2 = REDUCED GLANDS 3 = NORMAL GLANDS 4 = OTHER (*Specify*) _____

[1] 1 = NORMAL BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL

14. SEEDS:

[1][1][6] ± [1][5] SEED INDEX (*Fuzzy seed basis*)

[2] Seed Fuzz: 1 = SPARSE (GREGG 35) 2 = MODERATE (DPL-16) 3 = HEAVY (ACALA SJ-1) 4 = OTHER (*Specify*) _____

6

EXHIBIT D

Additional Description of the Variety

The shape of the unopened bolls of Paymaster 792 is indicated by the attached sketch.

Performance data from both Experiment Station and ACCO Seed tests are attached.

Typical Boll Shape of Paymaster 792

SDC:rlf 5/01/94 (10157)

ASSIGNMENT OF PLANT VARIETY PROTECTION ACT CERTIFICATES AND APPLICATIONS

WHEREAS, CARGILL, INCORPORATED, including the CARGILL HYBRID SEEDS DIVISION ("CARGILL"), a Delaware corporation with its principal office and place of business at 15407 McGinty Road West, Wayzata, MN 55391, is the owner of the varieties, Plant Variety Protection Act ("PVPA") certificates and application identified below:

PLANT VARIETY PROTECTION CERTIFICATES

VARIETY	CERTIFICATE NO.	ISSUED
Paymaster 784	7700054	January 26, 1978
Paymaster 785	7700076	January 26, 1978
Paymaster 792	7700077	February 2, 1978
PR68	7800104	March 1, 1979
PR75	8000135	November 20, 1980
Paymaster 145	8000080	May 14, 1981
Paymaster 404	8000081	April 16, 1981
7563	8300031	September 29, 1983
Lankart 175	8400153	November 29, 1985
Lankart 511	8600086	November 28, 1986
Lankart 311	8700086	June 30, 1987
Paymaster 892	8900270	November 30, 1990
Paymaster 147	8900269	November 30, 1990
Lankart 142	9000215	April 30, 1991
Paymaster HS26	8600087	June 30, 1992 (amended)
Paymaster HS200	9000216	May 28, 1993 (amended)

PLANT VARIETY PROTECTION APPLICATION

VARIETY	APPLICATION NO.	FILED
Paymaster HS30	9200264	September 14, 1992

WHEREAS, DELTA AND PINE LAND COMPANY ("DELTA and PINE LAND"), a Delaware corporation with its principal office and place of business at 100 North Main Street, Scott, Mississippi is desirous of acquiring said varieties PVPA certificates and application and all rights, title and interest therein;

SDC:rlf 5/01/94 (10157)

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, CARGILL does hereby assign unto DELTA and PINE LAND all rights, title and interest that it may have in and to said varieties PVPA certificates, application and the underlying cottonseed inventions.

This Agreement was executed at Dallas, Texas, on May 2, 1994.

ATTEST:

CARGILL, INCORPORATED

By: Michael J. Hall

Name: MICHAEL J. HALL

Title: CONTROLLER - SEED DIV.

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-8
(10-2-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C
(Cotton)

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (*GOSSYPIUM SPP.*)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

ACCO Seed

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

P. O. Box 1630
Plainview, TX 79072

FOR OFFICIAL USE ONLY

PVPO NUMBER 7700077

VARIETY NAME OR TEMPORARY DESIGNATION

PAYMASTER 792

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. SPECIES:

[1] 1 = GOSSYPIUM HIRSUTUM 2 = GOSSYPIUM BARBADENSE

2. AREA(S) OF ADAPTION (0 = Not Tested, 1 = Not Adapted, 2 = Adapted):

[0] EASTERN [0] DELTA [2] CENTRAL [2] HIGH PLAINS [ ] EL PASO AREA

[0] WESTERN LOW HOT VALLEYS [0] SAN JOAQUIN [2] OTHER (Specify) _____

3. MATURITY (50% Open Boll):

[1][0] NO. OF DAYS *EARLIER* THAN ..... [4]
[ ][ ] NO. OF DAYS *LATER* THAN ..... [ ]

1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (Specify) _____

4. PLANT HABIT:

[3] 1 = SPREADING 2 = INTERMEDIATE 3 = COMPACT

[3] 1 = FOLIAGE SPARSE 2 = DENSE 3 = OTHER (Specify) intermediate

5. PLANT HEIGHT:

[ ][3] CM. *SHORTER* THAN ..... [4]
[ ][ ] CM. *TALLER* THAN ..... [ ]

1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (Specify) _____

6. MAIN STEM:

[3] 1 = LAX 2 = ASCENDING 3 = ERECT

[ ] CM. TO FIRST FRUITING BRANCH

[ ][ ] NO. OF NODES TO FIRST FRUITING BRANC (*from cotyledonary node*)

7. LEAF:

[ ][ ] CM. WIDTH OF WIDEST LEAVES AT MATURITY

8. LEAF PUBESCENSE:

[3] 1 = GLABROUS (HAIRS AS SPARSE AS D_2 SMOOTH) 2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF) 3 = PUBESCENT (STONEVILLE 213) 4 = HEAVY PUBESCENCE (H_1 OR H_2) 5 = OTHER (Specify) _____

9. LEAF COLOR:

[2] 1 = VIRESCENT YELLOW 2 = LIGHT GREEN 3 = DARK GREEN (*Acala-442*) 4 = RED 5 = OTHER (Specify) _____

10. LEAF TYPE:

[1] 1 = NORMAL 2 = OKRA 3 = SUPER OKRA 4 = OTHER (Specify) _____

11. FLOWER: 2 10/4/77 9th-Letter 8/23/77

[1] 1 = NECTARILESS 2 = NECTARIED

[1] Petals: 1 = CREAM 2 = YELLOW [1] Pollen: 1 = CREAM 2 = YELLOW

12. FRUITING BRANCH TYPE:

[2] 1 = CLUSTER 2 = SHORT 3 = NORMAL [1] 1 = DETERMINATE 2 = INDETERMINATE

13. GOSSYPOL CONDITION:

[3] 1 = GLANDLESS 2 = REDUCED GLANDS 3 = NORMAL GLANDS 4 = OTHER (Specify) _____

[1] 1 = NORMAL BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL

14. SEEDS:

[1][1][6] ± [1][5] SEED INDEX (*Fuzzy seed basis*)

[2] Seed Fuzz: 1 = SPARSE (GREGG 35) 2 = MODERATE (DPL-16) 3 = HEAVY (ACALA SJ-1) 4 = OTHER (Specify) _____

6